

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

**Michael HOLZ, Joerg MOISEL and  
Manfred RODE**

Appln. No.:

Filed: **November 25, 2003**

For: **VEHICLE HEADLIGHT AND PROCESS FOR OPERATION THEREOF**

Attorney Docket No.: **3926.061**

**PRELIMINARY AMENDMENT**

Attn: **Mail Stop PATENT APPLICATION**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Prior to examination of the above-identified application,  
please amend the application as follows:

**Amendments to the Claims** are reflected in the listing of claims,  
which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.

Preliminary Amendment

10. An automotive vehicle headlight with housing and with a light source provided within the housing, wherein the housing is a pressure-tight housing, and wherein the headlight is associated with a controller which controls the headlight based on the pressure within the housing.
11. A headlight according to claim 10, wherein the controller controls the light source based on the pressure within the housing.
12. A headlight according to Claim 10, including means to supply information regarding pressure or rate of pressure change within the headlight housing to the controller, and wherein the controller is programmed to control the headlight emissions based upon detecting a deviation from an intended pressure value or exceeding of a rate of pressure change.
13. A headlight according to Claim 10, wherein the headlight is switched off, is modified in its light intensity and/or is changed in its emission characteristic depending upon the housing internal pressure.
14. A headlight according to Claim 10, wherein the headlight is associated with an output or a display unit for the vehicle occupants, which warns or informs the vehicle occupants of the headlight condition based on the pressure within the housing.
15. A headlight according to Claim 10, wherein the light source of the headlight is a single semi-conductor light source or an array of high intensity semi-conductor light sources

16. A headlight according to Claim 15, wherein the high intensity semi-conductor light sources are laser light sources.
17. A headlight according to Claim 15, wherein the semi-conductor light source(s) emit visible and/or infrared light.
18. A headlight according to Claim 10, wherein the headlight is provided with a pump, which is adapted for producing a predetermined pressure or vacuum within the housing.
19. A headlight according to Claim 18, including means for driving the pump to establish a predetermined pressure or vacuum in the housing, and wherein the controller is programmed to control the headlight on the basis of the activity of the pump.
20. A headlight according to Claim 10, wherein the controller is a pressure-sensitive switch.
21. A process for operation of a headlight with a light source provided within a housing, comprising:
  - sensing the pressure within the housing, and
  - controlling of the headlight emission depending upon the pressure within the housing.
22. A process as in Claim 20, wherein the headlight is switched off, is adapted in its light intensity and/or is modified in its emission characteristic depending upon the housing internal pressure.
23. A process according to Claim 20, comprising
  - driving a pump to establish a predetermined pressure or vacuum in the housing,

using a controller to control the headlight on the basis of the activity of the pump.